

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: 牛早孕快速检测卡
CATALOGUE NO.: AE1PR003



Date: 2024.01.06

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SECTION 1 COMPANY AND MATERIAL IDENTIFICATION

Product Name: Bovine Pregnancy Rapid Test Kit
Manufacture: Shenzhen Anieasy Biotechnology Co., Ltd.
Address: Building B2, Taohuayuan Zhichuang Town, Tiegang Community, Xixiang Street, Baoan District, Shenzhen, Guangdong Province, China.
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SECTION 2 PRODUCT COMPOSITION AND CONTROLS

Description of main components:

This independent one-step test device includes all the reagents required to complete one test. The test area comprises a nitrocellulose membrane coated with antibody, and a latex combination pad marked with anti-latex microspheres. The device does not contain any human force source material

1. Cassette components:

1.1 Nitrocellulose membrane marked with control lines, test lines and colorimetric lines

Control line: Goat anti-mouse IgG polyclonal antibody

Test line: Anti-PAGs antibody

Colorimetric line: Latex microspheres dye

1.2 Latex combination pad: coated with anti-PAGs antibody-latex microspheres marker

1.3 Front pad: pre-coated with Tris, TWEEN20, BSA

1.4. Sample pad : pre-coated with NaCl, TWEEN20, Casein, BSA, trehalose

1.5 Absorbent paper

1.6 PVC plate

2. Desiccant

3. Foil bag

4. Plastic card (for the test card)

5. Sample dropper

6. Sample Diluent: 0.9% NaCl (4ml/bottle)

SECTION 3 HEALTH HAZARDS

WARNING STATEMENT: For scientific research use only.

Potential Routes of Exposure: No hazardous exposures anticipated under conditions of use as described in other product literature.

Eye: None

Skin: None

Inhalation: None

Ingestion: None

Chronic Toxicity: None known.

Reproductive and Developmental Toxicity: The components of this product are not considered reproductive or developmental toxins.

Carcinogenicity: None of the components of this product is listed by NTP, IARC, or OSHA as a carcinogen

Medical Conditions Aggravated by Exposure: Skin and eye conditions (e.g., dermatitis, conjunctivitis).

SECTION 4 FIRST AID MEASURES

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Eye Contact: Immediately flush eyes thoroughly with water for at least 15 minutes. If discomfort persists notify medical personnel.

Skin Contact: Immediately wash thoroughly with soap and water for 15 minutes. If discomfort persists notify medical personnel.

Inhalation: Immediately move to fresh air. If discomfort persists notify medical personnel.

Ingestion: Drink a moderate amount (8-12 oz.) of water and immediately notify medical personnel. Never give anything by mouth to an unconscious person.

SECTION 5 FIRE FIGHTING MEASURES

Unusual Fire and Explosion Hazards: The nitrocellulose membrane is classified as a flammable solid. Keep away from excessive heat, fire or flame.

Hazardous Combustion Products: Oxides of carbon and nitrogen.

Extinguishing Media: Water, carbon dioxide, multipurpose dry chemical or halon-fire extinguisher.

Special Fire Fighting Equipment: Wear full protective clothing and NIOSH/MSHA-approved positive pressure, self-contained breathing apparatus. Thoroughly wash all equipment after use.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions: Take proper precautions to minimize exposure by using appropriate personal protective equipment. Shut off all sources of ignition.

SECTION 7 HANDLING AND STORAGE

Avoid contact between test area and skin, eyes or clothing. Wash thoroughly after handling. Store at 2- 30°C in original sealed package.

SECTION 8 EXPOSURE CONTROL/PERSONAL PROTECTION

Occupational Exposure Limits: There are no established exposure limits for this product, nor indicated for any ingredients.

Eye and Face Protection: Wear safety glasses with side shields or full face shield if eye contact is likely. The choice of protection should be based on the potential for exposure to the eyes and face.

Respiratory Protection: Inhalation not anticipated in intended use. Respiratory protection not necessary.

Skin Protection: Wear gloves, lab coat, or other protective overgarment if skin contact is likely. The choice of skin protection should be based on the job activity and potential for exposure to the skin.

Engineering Controls: Minimize any anticipated skin and eye contact with test strip.

Other: Wash hands immediately after handling this material (especially before eating, drinking or smoking).

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance, Color, Odor: Flat, white plastic housing containing white, narrow membrane test strip; odorless.

pH: Not applicable.

Boiling Point: Not applicable.

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Melting Point: Not applicable.

Molecular Weight: Not available.

Flash Point: 200° C (nitrocellulose membrane)
Low Limit: Not available.
High Limit: Not available.

Autoflammability: Not available.

Explosive Properties: None.

Oxidizing Properties: None.

Vapor Pressure (mmHg & temp.): Nil

Specific Gravity (H₂O=1): Not available.

Solubility: Water: Nitrocellulose: insoluble.
Reagents: soluble
Fat: Not available.

Partition Coefficient: Not available.

Percent Volatile (%): Nil.

Vapor Density (air=1): Nil.

Evaporation (Butyl Acetate=1): Nil.

SECTION 10 STABILITY AND REACTIVITY

Stability: Stable under normal conditions of use. Hazardous polymerization is not expected to occur. Over many years nitrocellulose will polymerize and become brown. Polymerization reduces the flash point.

Hazardous Decomposition Products: Oxides of carbon and nitrogen.

Conditions to Avoid: Excessive heat, direct sunlight (nitrocellulose)

Incompatibility: Incompatible with strong acids or alkalies.

SECTION 11 TOXICOLOGICAL INFORMATION

See Section 3 for Additional Information on Health Hazards

Inhalation: None.

Skin (irritancy and Acute Toxicity): None.

Eye (irritancy and Acute Toxicity): None.

Ingestion: None.

Chronic Toxicity (Target Organ Effects): None.

Carcinogenicity: None.

Reproductive and Developmental Toxicity: None.

Mutagenicity: None.

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SECTION 12 ECOLOGICAL INFORMATION

Persistence and Degradability: No data available.

Aquatic Toxicity: No data available for this product.

SECTION 13 DISPOSAL CONSIDERATIONS

Dispose of waste materials according to prescribed national and local regulations

SECTION 14 TRANSPORT INFORMATION

Land Transport (ADRIRID): Not regulated.

Air Transport (ICAO/IATA): Not regulated.

Maritime Transport (IMO-IMDG): Not regulated.

According to the 65th edition 2024 of IATA Dangerous Goods Regulation, the products are not dangerous, poisonous, harmful, corrosive, flammable or explosive. They are not spiritual medicines, not anesthetic or narcotic, and can not be used to make bio-chemical weapons. They are in sealed packages and conform to the export requirements by China Customs and CAAC.

The products is safe for air/ocean transportation and not regulated by IATA DGR/IMDG

SECTION 15 REGULATORY INFORMATION

EINECS Status: This product does not contain any hazardous ingredients above trigger levels.

EEC Classification and Labeling: None required.

SECTION 16 OTHER INFORMATION

The above information is based on data available to us and is believed to be correct. Since the information may be applied under conditions beyond our control and with which we may be unfamiliar, we do not assume any responsibility for the results of its use and all persons receiving it shall make their own determination of the effects, properties, and protections which pertain to their particular conditions.

No representation, warranty, or guarantee, express or implied (including a warranty of fitness or merchantability for a particular purpose), is made with respect to the material, the accuracy of this information, the results to be obtained from the use thereof, or the hazards connected with the use of the material. Caution should be used in the handling and use of the material.